

**Commonwealth of Kentucky**  
**Division for Air Quality**  
***PERMIT STATEMENT OF BASIS***

TITLE V (DRAFT PERMIT) NO. V-06-010

POLYAIR PACKAGING, Inc.

BARDSTOWN, KY

February 23, 2006

CAROLINA ALONSO, REVIEWER

Source I.D. #: 021-179-00050

Source A.I. #: 39476

Activity #: APE20040001

**SOURCE DESCRIPTION:**

Polyair Packaging, Inc. produces thin sheets of polyethylene foam. Pellets of low density polyethylene (LDPE) are melted and injected with isobutane as a blowing agent, then extruded into long, thin sheets. Rolls of foam are stored in the curing room for several weeks, then processed into final products.

Emission points include an Isobutane Storage Tank, two existing Foam Extruder Lines, a Curing Room, and a Recycling Material Recycler.

Polyair Packaging is a major source for its Volatile Organic Compound (VOC) emissions and is applying for renewal of its Title V permit V-98-014 (revision 2).

**EMISSION AND OPERATING CAPS DESCRIPTION:**

The only regulated air pollutant is Isobutane which is a VOC. The source previously became a PSD major source with VOC actual emissions of 353.5 tons per year in 2001. During the last permit revision, V-98-014 (revision 2), the source accepted limits to preclude the applicability of a significant revision in 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality, PSD: VOC emissions shall not exceed 389.5 tons per year.

**PERIODIC MONITORING:**

For each line (Group # 02 and Group # 04), the source shall monitor the usage of VOC containing materials on a monthly basis and the hours of operation on a daily basis.

**OPERATIONAL FLEXIBILITY:**

N/A

**CREDIBLE EVIDENCE:**

This permit contains provisions which require that specific test methods, monitoring or recordkeeping be used as a demonstration of compliance with permit limits. On February 24, 1997, the U.S. EPA promulgated revisions to the following federal regulations: 40 CFR Part 51, Sec. 51.212; 40 CFR Part 52, Sec. 52.12; 40 CFR Part 52, Sec. 52.30; 40 CFR Part 60, Sec. 60.11 and 40 CFR Part 61, Sec. 61.12, that allow the use of credible evidence to establish compliance with applicable requirements. At the issuance of this permit, Kentucky has only adopted the provisions of 40 CFR Part 60, Sec. 60.11 and 40 CFR Part 61, Sec. 61.12 into its air quality regulations.